

CLAIMS

What is claimed is:

1. A valve operated by differential pressure, said valve comprising a valve body, a valve disk, a central link, a link, an elastic member, a member attracted by a magnet, and said magnet; said valve disk being mounted on said valve body, said central link being connected at one end to said valve disk, and opening and closing said valve, said link being connected pivotally at one end to said central link, and making said central link move according to rotation of said link around a link pivot, said elastic member being connected pivotally at one end to said link and fixed pivotally at the other end, and making said link rotate around said link pivot by elastic force of said elastic member, said member being mounted on the other end of said central link, said magnet lying adjacent to said member;
said valve being closed tightly without leakage of internal fluid until a predetermined differential pressure is reached, then being opened to the maximum stroke thereof as soon as the predetermined differential pressure is reached, and then being closed again instantly and tightly when the differential pressure is decreased without leakage of internal fluid, by attractive force of said magnet together with elastic force of said elastic member.
2. A valve according to claim 1 further comprising a gasket located between said valve body and said valve disk.
3. A valve according to claim 1 wherein said elastic member is a spring.
4. A valve according to claim 1 wherein said magnet is a permanent magnet.
5. A valve according to claim 1 wherein the interval between said magnet and said member is 0.05-0.15 mm when said valve is closed.
6. A valve according to claim 1 wherein said valve is used for a pressurization system in an unmanned airship.
7. A valve according to claim 1 wherein said valve is a safety valve.